

Claims

1. Method for transmitting paging indicators in a cellular telecommunication system employing time division duplex mode,
5 in which method information is carried in bursts over the air interface, and
in which method paging indicators are carried in data part of certain bursts having at least a data part and a training sequence part,
characterized in that
the transmission level of at least the training sequence part of a burst carrying
10 paging indicators has a predefined relation to the transmission level of the training /
sequence part of a burst belonging to a channel which is used in measurements of
radio link quality.
2. A method according to claim 1, **characterized** in that
15 said channel is the primary common control physical channel.
3. A method according to claim 1, **characterized** in that
said predefined relation is that the transmission level of at least the training
sequence part of a burst carrying paging indicators is essentially the same as the
20 transmission level of the training sequence part of a burst belonging to said channel.
4. A method in a mobile terminal of a cellular telecommunication network for
measuring quality of a radio link between the mobile terminal and a base station of
the network,
25 which mobile terminal is arranged to employ time division duplex mode and to
receive bursts carrying information from the base station, the bursts having at least a
data part and a training sequence part, and
which mobile terminal is arranged to receive paging indicators carried in certain
bursts,
30 **characterized** in that
the method comprises steps, in which
- a burst carrying paging indicators is received,
- the reception level of the training sequence part of said burst is measured, and
- a result value indicating the quality of the radio link is determined on the basis of
35 said measurement of the reception level of the training sequence part of said burst.

5. A mobile terminal of a cellular telecommunication network,
which mobile terminal is arranged to employ time division duplex mode and to
receive bursts carrying information from the base station, the bursts having at least a
data part and a training sequence part, and
5 which mobile terminal is arranged to receive paging indicators carried in certain
bursts,
characterized in that it comprises
- means for receiving a paging indicator burst,
- means for measuring the reception level of the training sequence part of said
10 paging indicator burst, and
- means for determining a result value indicating the quality of the radio link on the
basis of the output of said means for measuring.
6. A system in a radio access network of a cellular telecommunication system
15 employing time division duplex mode,
in which mode information is carried in bursts over the air interface, and
in which mode paging indicators are carried in data part of certain bursts having at
least a data part and a training sequence part,
characterized in that it comprises
20 means for adjusting the transmission level of at least the training sequence part of a
burst carrying paging indicators to a certain level,
said certain level having a predefined relation to the transmission level of the
training sequence part of a burst belonging to a channel which is used in
measurements of radio link quality.
- 25 7. A system according to claim 6, **characterized** in that
said channel is the primary common control physical channel.
8. A system according to claim 6, **characterized** in that
30 said predefined relation is that the transmission level of at least the training
sequence part of a burst carrying paging indicators is essentially the same as the
transmission level of the training sequence part of a burst belonging to said channel.